

REMARKS

Claims 1-69 stand rejected. Claims 1-24 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 1-3, 5-9, 17-22, 24, 25-27, 29-33, 41-46, and 48-69 are rejected under 35 U.S.C. §102(b) as being anticipated by MathWorks “Simulink® Dynamic System Simulation for MATLAB Using Simulink Version 2.2,” 1997 (hereinafter MathWorks). Claims 4, 10-16, 23, 28, 34-40, and 47 are rejected under 35 U.S.C. §103(a) as being unpatentable over MathWorks as applied to claim 1 and further in view of Fenlason’s GNU gprof (hereinafter GNU gprof).

Claims 1, 10, 48, 49, and 54 are amended. No new matter is added by way of this response. Applicants respectfully traverse the rejections of claims 1-69.

35 U.S.C. §112 Rejections

Claims 1-24 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicants have amended claim 1 to include “*where at least one of the one or more blocks includes a plurality of execution methods*” to address the 35 U.S.C. §112, second paragraph, rejection. Applicants believe that amended claim 1, and claims 2-24 depending therefrom, overcome the 35 U.S.C. §112, second paragraph, rejection. Reconsideration and allowance of claims 1-24 is respectfully requested.

35 U.S.C. §102(b) Rejections

Claims 1-3, 5-9, 17-22, 24, 25-27, 29-33, 41-46, and 48-69 are rejected under 35 U.S.C. §102(b) as being anticipated by MathWorks. Applicants respectfully

traverse these rejections for at least the following reasons.

Independent Claim 1 and dependent claims 2-3, 5-9, 17-22 and 24

Amended independent claim 1 recites a method that includes, among other things, providing a graphical debugger interfaced with a model view of a model being executed, said model comprising *one or more blocks where at least one of the one or more blocks includes a plurality of execution methods, said graphical debugger having debug information related to the execution of said model, said debug information indicating at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks* and a start time or a stop time of at least one of said plurality of execution methods that are executed during the execution of said model (emphasis added). MathWorks does not disclose or suggest at least this feature of claim 1.

The Examiner alleges that MathWorks discloses a plurality of execution methods in a block at pages 9-37, 9-42 and 12-3 (Office Action, page 6). Applicants respectfully disagree with the Examiner's position.

MathWorks at page 9-37 discloses:

The Discrete Filter block implements Infinite Impulse Response (IIR) and Finite Impulse Response (FIR) filters. You specify the coefficients of the numerator and denominator polynomials in ascending powers of z^{-1} as vectors using the Numerator and Denominator parameters. The order of the denominator must be greater than or equal to the order of the numerator. See the Discrete Transfer Fcn block description on page 9-48 for more information about coefficients. The Discrete Filter block represents the method often used by signal processing engineers, who describe digital filters using polynomials in z^{-1} (the delay operator). The Discrete Transfer Fcn block represents the method often used by control engineers, who represent a discrete system as polynomials in z . The methods are identical when the numerator and denominator are the same length. A vector of n elements describes a polynomial of degree $n-1$. The block icon displays the numerator and denominator according to how they are specified. For a discussion of how Simulink displays the icon, see the Transfer Fcn block description

on page 9-149.

Page 9-37, of MathWorks, discusses the method represented by the Discrete Filter block and the method represented by the Discrete Transfer Fcn block. Page 9-37 discloses that the Discrete Filter block uses the method often used by signal processing engineers (namely, the method that represents digital filters using polynomials in z^{-1}) and that the Discrete Transfer Fcn block uses the method often used by control engineers (namely, the method that represents a discrete system as polynomials in z). Page 9-37 then discloses the Discrete Filter block method and the Discrete Transfer Fcn block method as being identical when the numerator and denominator are the same length (i.e., wherein page 9-37 discloses “The **methods** are identical when the numerator and denominator are the same length” (emphasis added)). This quoted sentence on page 9-37 is discussing two individual methods that can be specified by a user (namely, one method for the Discrete Filter block and one method for the Discrete Fcn block). This sentence is not disclosing or suggesting a plurality of execution methods in one block as provided in claim 1, as implied by the Examiner on page 6 of the Office Action. But, rather this sentence discloses that a user may select the Discrete Filter block method or the Discrete Fcn block method for use in the block. Therefore Applicants respectfully suggest that the Examiner is misconstruing MathWorks at page 9-37, and that page 9-37 does not disclose or suggest *one or more blocks where at least one of the one or more blocks includes a plurality of execution methods, said graphical debugger having debug information related to the execution of said model, said debug information indicating at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks*, as required by claim 1.

Assuming, for sake of argument, that the Examiner's interpretation of MathWorks page 9-37 were correct (note: Applicants are not suggesting that the Examiner's interpretation is correct) and that page 9-37 did somehow disclose both the Discrete Filter block method and the Discrete Fcn block method operating in a given block simultaneously, page 9-37 still would not disclose or suggest all features of claim 1. For example, page 9-37 still would not disclose or suggest at least *said debug information indicating at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks*, as required by claim 1.

MathWorks, at page 9-42, discloses:

The Discrete-Time Integrator block can be used in place of the Integrator block

when constructing a purely discrete system.

The Discrete-Time Integrator block allows you to:

- Define initial conditions on the block dialog box or as input to the block.
- Output the state.
- Define upper and lower limits on the integral.
- Reset the state depending on an additional reset input.

These features are described below.

Integration Methods

The block can integrate using these methods: Forward Euler, Backward Euler, and Trapezoidal. For a given step k , Simulink updates $y(k)$ and $x(k+1)$. T is the sampling period (ΔT in the case of triggered sampling time).

Page 9-42, of MathWorks, discloses integration methods that can be selected by a user. Specifically, a user selects one of the listed methods for use by the block during a simulation. Contrary to the Examiner's interpretation identified on page 6 of the Office Action, the user does not select a *plurality* of the listed methods for use by the block during a simulation. For example, a user may select the Forward Euler method or the Backward Euler method for a simulation, but not both. Alternatively, the user may select the Trapezoidal method for a simulation. The user may not, however,

select two or more of the Forward Euler method, the Backward Euler method, and the Trapezoidal method for use together by a single block during a simulation and thus they do not provide a plurality of execution methods as recited in claim 1. Therefore, Applicants respectfully suggest that the Examiner is misconstruing the *plurality of execution methods* of claim 1 for at least the reason that page 9-42 of MathWorks does not disclose or suggest at least *one or more blocks where at least one of the one or more blocks includes a plurality of execution methods*, as required by claim 1.

MathWorks at page 9-42 does not disclose or suggest still other features of claim 1. For example, page 9-42 does not disclose or suggest *debug information indicating at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks*, as further required by claim 1. For at least the foregoing reasons, MathWorks at page 9-42 does not disclose or suggest the features of claim 1.

MathWorks, at page 12-3, discloses:

Use the sldebug command or the debug option of the sim command to start a model under debugger control. (See sim on page 4-22 for information on specifying sim options.)

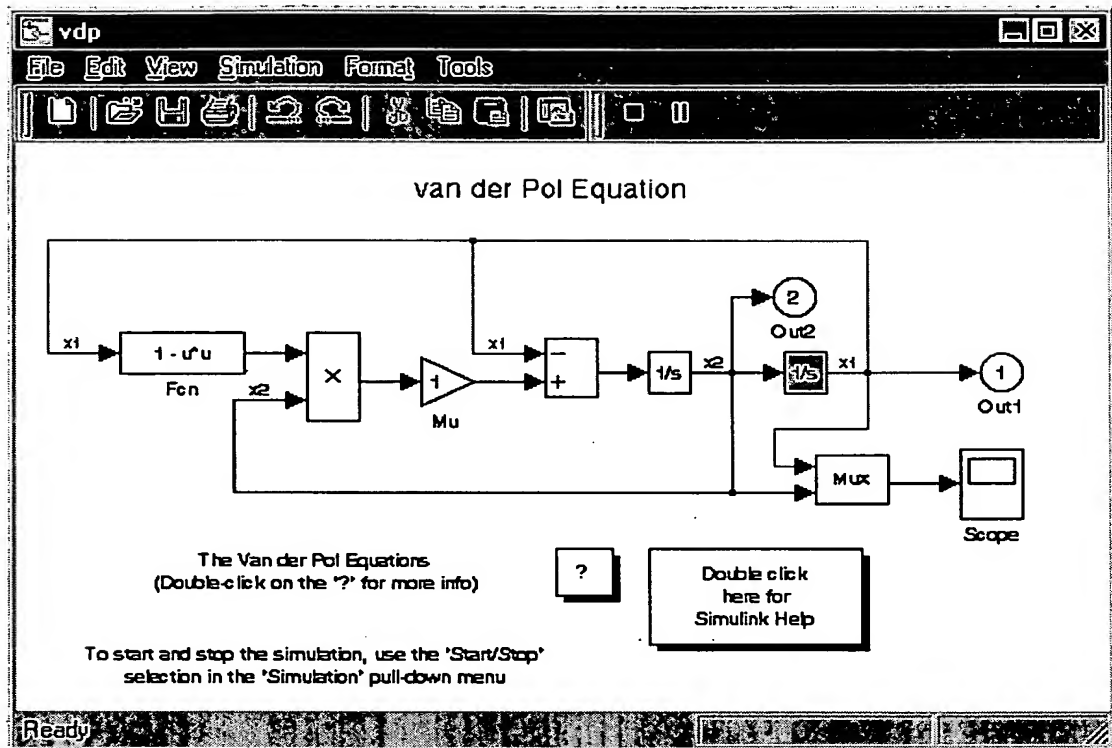
For example, either the command

`sim('vdp',[0,10],simset('debug','on'))`

or the command

`sldebug 'vdp'`

loads the Simulink demo model, vdp, into memory and pauses at the first block in the first time step. The debugger highlights the model's initial block and associated output signal lines in the model diagram. The next figure shows the vdp block diagram as it appears on debug mode start-up.



The debugger also prints the simulation start time and a debug command prompt in the MATLAB command window. The command prompt displays the block index (see "About Block Indexes" on page 12-4) and name of the first block.

Page 12-3, of MathWorks, discloses the use of the `sldebug` command to debug a model (namely, a model named 'ydp'). Page 12-3 is silent with respect to *a plurality of execution methods* executing **within** a block, as required by claim 1. In fact, the debugger of page 12-3 does not support debugging a plurality of methods operating in a block (Applicants respectfully note that this point was explained by co-inventor, Mr. Yeddanapudi, during the telephonic interview of October 03, 2006). Since the debugger of page 12-3 does not disclose or suggest *debug information indicating at least one of the order of execution of said plurality of execution methods* within a block, as required by claim 1.

MathWorks at page 12-3 does not disclose or suggest still other features of

claim 1. For example, page 12-3 does not disclose or suggest *debug information indicating at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks*, as further required by claim 1. Page 12-3 cannot disclose or suggest this feature of claim 1 because page 12-3 is silent with respect to a *plurality of execution methods for said at least one of the one or more blocks*.

For at least the foregoing reasons, MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest at least *one or more blocks where at least one of the one or more blocks includes a plurality of execution methods or debug information indicating at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks*. Therefore, MathWorks (pages 9-37, 9-42, and 12-3) does not support a valid 35 U.S.C. §102(b) rejection of amended claim 1. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejection of claim 1 for at least the reasons presented above.

Claims 2-3, 5-9, 17-22 and 24 depend from claim 1 and are allowable for at least the reasons presented above with respect to claim 1. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejection of claims 2-3, 5-9, 17-22 and 24 for at least the reasons presented above with respect to claim 1.

Independent claim 25 and dependent claims 26-27, 29-33, and 41-46

Claim 25 recites, among other things, *debug information indicating at least one of the order of the execution of a plurality of execution methods in said model*. MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest this feature of claim 25. For example, (as previously discussed in connection with claim 1) page 9-

37 discusses a user being able to select a particular individual method for a block and is silent with respect to debug information indicating at least one of the order of the execution of a plurality of execution methods for at least one block; page 9-42 discusses a Discrete-Time Integrator block for which a user can select one of a Forward Euler method, a Backward Euler method, and a Trapezoidal method; and page 12-3 discusses the sldebug command that allows a user to debug a block and is silent with respect to debug information indicating an order of execution of a plurality of execution methods operating in a block. Therefore, MathWorks (pages 9-37, 9-42, and 12-3) cannot disclose or suggest at least *debug information indicating at least one of the order of the execution of a plurality of execution methods in said model*, as required by claim 25.

For at least these reasons, MathWorks (pages 9-37, 9-42, and 12-3) does not support a valid 35 U.S.C. §102(b) rejection of claim 25. Applicants respectfully request that the Examiner reconsider and withdraw the rejection of claim 25 for at least the reasons presented above.

Claims 26-27, 29-33, and 41-46 depend directly or indirectly from claim 25 and are allowable for at least the reasons presented above with respect to claim 25. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejection of claims 26-27, 29-33, and 41-46 for at least the reasons presented above.

Independent claim 48 and dependent claims 49-53

Amended claim 48 recites, among other things, *identifying a first execution method operating in a first domain of a computer-based modeling application that executes a computer-based model, where the first domain is one of a text-based environment, a time-based block diagram, a state based block diagram, or a data-*

flow diagram; identifying a second execution method operating in a second domain, where the second domain differs from the first domain and debugging the first execution method and the second execution method while the computer-based model operates on behalf of a user.

MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest at least *a first domain that is one of a text-based environment, a time-based block diagram, a state based block diagram, or a data-flow diagram and a second execution method operating in a second domain, where the second domain differs from the first domain,* as required by claim 48. Pages 9-37, 9-42, and 12-3 of MathWorks are silent with respect to a first domain and a second domain that differs from the first domain. Pages 9-37, 9-42, and 12-3 of MathWorks further do not disclose or suggest *debugging the first execution method and the second execution method while the computer-based model operates on behalf of a user* when the first execution method operates in a first domain and the second execution method operates in a second domain. For at least these reasons, MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest the features of claim 48. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejection of claim 48 for at least the reasons presented above.

Claims 49-53 depend from claim 48 and are allowable for at least the reasons presented above with respect to claim 48. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejections of claims 49-53 for at least the reasons presented above.

Independent claim 54

Claim 54 recites, among other things, *receiving information about a first execution method and a second execution method on behalf of a graphical model*

comprising blocks, where at least one of the blocks includes the first execution method and at least one other execution method or the second execution method and the at least one other execution method; identifying at least a portion of the first execution method or the second execution method when the first execution method or the second execution method are running, respectively, and obtaining information about the running of the first execution method or the second execution method using the identifying. MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest at least these features of claim 54.

For example, MathWorks (pages 9-37, 9-42, and 12-3) is silent with respect to *at least one of the blocks includes the first execution method and at least one other execution method or the second execution method and the at least one other execution method*, as required by claim 54. As discussed in connection with claim 1, above, MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest features of claim 54. For example, MathWorks at page 9-37 discusses a user being able to select a particular individual method for a block and is silent with respect to debug information indicating at least one of the order of the execution of a plurality of execution methods for at least one block; page 9-42 discusses a Discrete-Time Integrator block for which a user can select one of a Forward Euler method, a Backward Euler method, and a Trapezoidal method; and page 12-3 discusses the `sdebug` command that allows a user to debug a block and is silent with respect to debug information indicating an order of execution of a plurality of execution methods operating in a block. Pages 9-37, 9-42, and 12-3 of MathWorks do not disclose or suggest *at least one of the blocks includes the first execution method and at least one other execution method or the second execution method and the at least one other execution method*, as required by claim 54.

Moreover, MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest still other features of claim 54. For example, MathWorks (pages 9-37, 9-42, and 12-3) is silent with respect to *identifying at least a portion of the first execution method or the second execution method when the first execution method or the second execution method are running*, as further required by claim 54. Therefore, MathWorks (pages 9-37, 9-42, and 12-3) cannot disclose or suggest this feature of claim 54.

For at least these reasons, MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest the features of claim 54. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejection of claim 54 for at least the reasons presented above.

Independent claim 55

Claim 55 recites, among other things, *identifying a first root method comprising one or more child methods, the first root method related to a graphical modeling application; and identifying a second root method related to the graphical modeling application*. MathWorks at pages 8-45, 9-37, 9-42, and 12-3 does not disclose or suggest at least these features.

The Examiner alleges that MathWorks discloses identifying a first root method comprising one or more child methods, the first root method related to a graphical modeling application at page 8-45 wherein MathWorks discloses “root blocks” (Office Action, page 10) (Applicants respectfully note that root blocks are discussed at page 8-46). MathWorks (page 8-46) recites “root blocks” and not *root methods* or *child methods*, as required by claim 55. The term “block” is not synonymous with the term “method.” Therefore, it is improper to use the terms as substitutes for one another as is done on page 10 of the Office Action. Applicants

further point out that MathWorks (page 8-46) is silent with respect to *root methods* or *child methods* and with respect to *a second root method that is related to a graphical modeling application*, as further required by claim 55.

MathWorks (pages 8-46, 9-37, 9-42, and 12-3) does not disclose or suggest still other features of claim 55. For example, MathWorks does not disclose or suggest *displaying a debugging result to a destination, the debugging result comprising visual identifiers related to the operation of the first root method, the one or more child methods or the second root method*, as further required by claim 55. In fact, MathWorks (pages 9-37, 9-42, and 12-3) is silent with respect to this feature of claim 55.

For at least these reasons, MathWorks does not support a valid 35 U.S.C. §102(b) rejection of claim 55. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejection of claim 55 for at least the reasons presented above.

Independent claim 56 and dependent claims 57-60

Claim 56 recites, among other things, *displaying a hierarchy comprising information about a first root method, one or more child methods related to the first root method, or a second root method*. MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest this feature. For example, MathWorks (pages 9-37, 9-42, and 12-3) is silent with respect to *displaying a hierarchy comprising information about a first root method, one or more child methods related to the first root method, or a second root method*, as required by claim 56. For at least this reason, MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest every feature of claim 56. Therefore, a 35 U.S.C. §102(b) rejection of claim 56 based on MathWorks (pages 9-37, 9-42, and 12-3) is improper. Applicants respectfully request that the Examiner

reconsider and withdraw the 35 U.S.C. §102(b) rejection of claim 56 for at least the reasons presented above.

Claims 57-60 depend from claim 56 and are allowable for at least the reasons presented above with respect to claim 56. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejections of claims 57-60 for at least the reasons presented above.

Independent claim 61 and dependent claims 62-69

Claim 61 recites, among other things, *identifying a plurality of execution methods for the graphical icon using a plurality of regions related to the graphical icon*. As previously discussed in connection with claim 1, MathWorks (pages 9-37, 9-42, and 12-3) does not disclose or suggest features recited in claim 61. For example, MathWorks at page 9-37 discusses a user being able to select a particular individual method for a block and is silent with respect to debug information indicating at least one of the order of the execution of a plurality of execution methods for at least one block; page 9-42 discusses a Discrete-Time Integrator block for which a user can select one of a Forward Euler method, a Backward Euler method, and a Trapezoidal method; and page 12-3 discusses the sldebug command that allows a user to debug a block and is silent with respect to debug information indicating an order of execution of a plurality of execution methods operating in a block. Therefore, these portions of MathWorks do not disclose or suggest *identifying a plurality of execution methods for the graphical icon using a plurality of regions related to the graphical icon*, as required by claim 61. For at least this reason, MathWorks does not disclose or suggest every feature of claim 61. Therefore, a 35 U.S.C. §102(b) rejection of claim 61 based on MathWorks (pages 9-37, 9-42, and 12-3) is improper. Applicants respectfully request that the Examiner reconsider and withdraw the rejection of claim

61 for at least the reasons presented above.

Claims 62-69 depend directly or indirectly from claim 61 and are allowable for at least the reasons presented above with respect to claim 61. Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §102(b) rejection of claims 62-69 for at least the reasons presented above.

35 U.S.C. §103(a) Rejections

Claims 4, 10-16, 23, 28, 34-40, and 47 are rejected under 35 U.S.C. §103(a) as being unpatentable over MathWorks as applied to claim 1 and further in view of GNU gprof. Applicants traverse the 35 U.S.C. §103(a) rejection of claims 4, 10-16, 23, 28, 34-40, and 47 for at least the following reasons.

GNU gprof discloses a text-based profiler that lets a user determine where portions of generated code spend time during execution (GNU gprof, page 2). GNU gprof does not disclose or suggest a graphical debugger and GNU gprof does not cure the shortcomings of MathWorks with respect to features of dependent claims 4, 10-16, 23, 28, 34-40, and 47.

Dependent claim 4

For example, claim 4 in its entirety (i.e., including limitations of claims from which claim 4 depends directly or indirectly) includes several features. For example, claim 4 in its entirety includes the features from claim 2 (from which claim 4 directly depends) and the features of claim 1 (from which claim 4 indirectly depends via claim 2). Therefore, claim 4, in its entirety recites, among other things, *providing a graphical debugger interfaced with a model view of a model being executed, said model comprising one or more blocks where at least one of the one or more blocks includes a plurality of execution methods, said graphical debugger having debug information related to the execution of said model, said debug information indicating*

at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks and a start time or a stop time of at least one of said plurality of execution methods that are executed during the execution of said model; and outputting said debug information to a user, said debug information allowing the user to determine proper or improper operation for at least a subset of said plurality of execution methods that are executed during the execution of said model (claim 1) and wrapping data generated by the execution of said model in an object, said wrapping encapsulating said execution-generated data in said object; and exposing said data to said debugger via at least one interface to said object (claim 2). For MathWorks and GNU gprof to support a valid 35 U.S.C. §103(a) rejection of claim 4, these references must disclose or suggest the features making up claim 4 in its entirety, which includes at least the features from claim 1 and 2 recited above.

MathWorks does not disclose or suggest the features making up claim 4 in its entirety, such as *one or more blocks where at least one of the one or more blocks includes a plurality of execution methods or debug information indicating at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks* (discussed in connection with the 35 U.S.C. §102(b) rejection of claim 1, above). For MathWorks and GNU gprof to form a valid 35 U.S.C. §103(a) rejection of claim 4, GNU gprof must disclose or suggest at least the features missing from cited portions of MathWorks. GNU gprof is silent with respect to execution methods or other types of methods. Therefore, GNU gprof does not cure the shortcomings of MathWorks with respect to at least one feature of claim 4. Therefore, any reasonable combination of MathWorks and GNU gprof does not support a valid 35 U.S.C. §103(a) rejection of dependent claim 4 since these

references do not disclose or suggest the features of claim 4. For at least these reasons, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §103(a) rejection of claim 4.

Dependent claims 10-16 and 23

Dependent claims 10-16 and 23, in their respective entireties, include at least the feature of *one or more blocks where at least one of the one or more blocks includes a plurality of execution methods or debug information indicating at least one of the order of the execution of said plurality of execution methods for said at least one of the one or more blocks* discussed above in connection with dependent claim 4. As previously discussed in connection with claim 4, any reasonable combination of MathWorks and GNU gprof does not disclose or suggest at least this feature. Therefore, MathWorks and GNU gprof, alone or in any reasonable combination, do not support a valid 35 U.S.C. §103(a) rejection of claims 10-16 and 23. For at least this reason, Applicants respectfully request that the Examiner reconsider and withdraw the 35 U.S.C. §103(a) rejection of claims 10-16 and claim 23.

Dependent claim 28

Claim 28, when written in its entirety, includes at least the features of independent claims or dependent claims from which claim 28 depends (directly or indirectly). For example, claim 28 depends from independent claim 25 and dependent claim 26. Therefore, claim 28, when written in its entirety, includes, at least, *a medium for use in a modeling and execution environment on an electronic device, said medium holding executable instructions on the electronic device for performing an execution method, said method comprising the steps of: providing a graphical debugger interfaced with a model view of a model being executed, said graphical debugger having debug information related to the execution of said model, said debug*

information indicating at least one of the order of the execution of a plurality of execution methods in said model and a start time or a stop time of at least one execution method executed during the execution of said model; and outputting said debug information to a user (claim 25) and wrapping data generated by the execution of said model in an object, said wrapping encapsulating said execution-generated data in said object; and exposing said data to said debugger via at least one interface to said object (claim 26). MathWorks and GNU gprof, alone or in any reasonable combination, do not disclose or suggest at least *debug information indicating at least one of the order of the execution of a plurality of execution methods in said model and a start time or a stop time of at least one execution method executed during the execution of said model*, as required by claim 28. For at least this reason, MathWorks and GNU gprof do not support a valid 35 U.S.C. §103(a) rejection of claim 28. Applicants respectfully request reconsideration and allowance of claim 28 for at least the reasons presented above.

Dependent claims 34-40 and 47

Dependent claims 34-40, and 47, when written in their respective entireties, include the limitations of independent claims and dependent claims from which they depend, directly or indirectly. Since dependent claims 34-40 and 47 depend from independent claim 25, these claims share at least the feature of *debug information indicating at least one of the order of the execution of a plurality of execution methods in said model and a start time or a stop time of at least one execution method executed during the execution of said model*, with claim 25 since claims 34-40, and 47 include this feature when claims 34-40 or 47 are written in their respective entireties. As previously discussed in connection with the 35 U.S.C. §103(a) rejection of claim 28, MathWorks and GNU gprof, alone or in any reasonable combination, do not

disclose or suggest at least *debug information indicating at least one of the order of the execution of a plurality of execution methods in said model and a start time or a stop time of at least one execution method executed during the execution of said model*. Therefore, MathWorks and GNU gprof, alone or in any reasonable combination, do not support a valid 35 U.S.C. §103(a) rejection of claims 34-40 and 47 since these claims include at least the feature of *debug information indicating at least one of the order of the execution of a plurality of execution methods in said model and a start time or a stop time of at least one execution method executed during the execution of said model* when these claims are written in their respective entireties. Applicants respectfully request that the Examiner reconsider and withdraw the rejections of claims 34-40 and 47 for at least the reasons presented above.

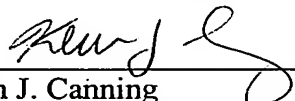
CONCLUSION

In view of the foregoing remarks, Applicants respectfully request withdrawal of the outstanding rejections and the timely allowance of this application.

To the extent necessary, a petition for an extension of time under 37 C.F.R. §1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 12-0080 and please credit any excess fees to such deposit account.

Dated: March 9, 2007

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